Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/16/2019 10:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124301	-1	1.95	124301	1.95
Blue	F	SSC	125000	123641	-2	1.83	124464	1.89
Blue	E	FITC	16694	16228	-3	3.28	378	21.60
Blue	D	PE	32792	32451	-2	2.45	715	16.06
Blue	B	PerCP-Cy5-5	44451	43719	-2	4.35	1200	23.02
Blue	A	PE-Cy7	33645	33523	-1	7.80	607	49.91
Red	C	APC	47008	46214	-2	2.82	1792	13.36
Red	A	APC-Cy7	32298	31595	-3	3.04	790	13.77
Violet	B	V450	8961	8630	-4	4.15	525	13.25
Violet	A	V500	32726	31106	-5	3.75	760	10.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20238	4.55	609	-4	N/A	N/A	Pass
Blue	F	SSC	55709	1.59	576	8	N/A	N/A	Pass
Blue	E	FITC	62	67.07	565	2	0.0149	31	Pass
Blue	D	PE	143	55.60	570	4	0.1302	263	Pass
Blue	B	PerCP-Cy5-5	220	55.10	674	3	0.0072	21	Pass
Blue	A	PE-Cy7	119	126.02	736	10	0.0084	31	Pass
Red	C	APC	408	28.41	610	-3	0.0189	105	Pass
Red	A	APC-Cy7	194	31.70	583	-2	0.0050	1335	Pass
Violet	B	V450	95	51.12	481	-5	0.0445	2052	Pass
Violet	A	V500	111	34.88	490	-6	0.0195	648	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.41	-31.98	1.09
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.89	13.60 - 20.40	N/A	N/A	29.17	29.57	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 14344

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments